5UH2HL132368-03 09/01/2018 - 08/31/2021
Role: **co-PI** (Williams and Ma)
Funder: NIH
NIH Science of Behavior Change initiative UH3 phase
Engaging self-regulation targets to understand the mechanisms of behavior change and improve mood and weight outcomes

1UH2AG052163-01 09/01/2015 - 08/31/2020
Role: **co-PI** (Williams and Ma, Palo Alto Medical Foundation)
Funder: NIH
Competitive renewal for the UH3 phase awarded 09/01/2018.
Engaging self-regulation targets to understand the mechanisms of behavior change and improve mood and weight outcomes, UH2 phase. An integration of human neuroscience and behavioral science, in response to the NIH Commons Science of Behavior Change initiative. A 2-phased project to identify, validate and refine a set of brain imaging and behavioral assays to measure self-regulation targets, and to engage these targets to optimize behavioral treatment of depression comorbid with obesity.

1R33AT009305-01 08/15/2016 - 07/31/2019
Role: **Co-investigato**r (PI: Williams, N)
Funder: NIH (NCCIH)
Use of repetitive transcranial magnetic stimulation to augment hypnotic analgesia.

R01 MH101496 09/01/2013 - 08/30/2018
Role: **PI**
Funder: NIH (NIMH)
Neural Dimensions of Threat Reactivity and Regulation for Understanding Anxiety
To examine the RDoC construct of reactivity and regulation of potential threat in a sample of treatment seeking individuals experiencing anxiety symptoms using neuroimaging, symptom and behavioral measures.

Previous Other Competitive Federal Funding

Project Grant 1087560* 03/01/2015 - 02/28/2018
Role: **Co-Investigator** (PI: Korgaonkar, Sydney Medical School)
Funder: National Health and Medical Research Council of Australia (NHMRC)*.
Brain connectivity imaging markers to confirm diagnosis for Bipolar vs. Unipolar Depression.

Project Grant 1004822* 06/30/2011 - 12/31/2014
Role: **PI**
Funder: National Health and Medical Research Council
General and Emotional Cognition in Early Onset Psychosis: GEM Study
Using functional MRI and behavioral measures to identify which young individuals have impairments in emotional and cognitive functions at first onset of psychosis, and which predict clinical outcomes at 6 months.

Project Grant 1008080* 06/30/2011 - 12/31/2014
Role: **Co-Investigator** (PI: Korgaonkar, University of Sydney)
Funder: National Health and Medical Research Council
Limbic Maturational Changes in Adolescence and Young Adulthood (LIMCA): A Longitudinal Study
Using brain imaging to specify the brain circuitry changes that occur over adolescence, since it is such a peak period for the onset of major disorders of depression, anxiety and psychosis.

Discovery Project DP120104496 03/31/2011 - 03/31/2013
Role: **PI**
Funder: Australian Research Council
Understanding the Emotional Brain in Risk for Depression
To use fMRI and EEG measures of fear circuitry in a longitudinal design to identify which participants at high risk, defined by genetic variants and family history, convert to clinical depression over 12 months.

Center of Excellence 455431** 03/01/2007 - 12/31/2011
Role: **Co-PI**
Funder: National Health and Medical Research Council
Centre of Clinical Research Excellence (CCRE) in Anxiety and Neuroscience
To establish an inter-disciplinary program of clinical neuroscience research to translate findings from animal work to human patients with anxiety – focusing on PTSD - to identify predictors of treatment outcomes.

Linkage LP0883621 07/01/2008 - 12/31/2011
Role: **PI**
Funder: Australian Research Council
Gene-Brain Pathways in Emotional Brain Stability and Instability
A prospective study of a national twin cohort, designed to identify endophenotypes for emotional brain health using self-report, genomic, cognitive, psychophysiological and brain imaging modalities.

Project 457424* 03/01/2009 - 06/30/2011
Role: **Co-Investigator** (PI: Kohn)
Funder: National Health and Medical Research Council
ACTION: A Controlled Trial of Non-stimulants in ADHD

Senior Research Fellowship 09/05/2004 - 05/30/2010
Role: **PI**
Funder: Pfizer Foundation
Missing Links: The Cause and Treatment of Functional Disconnections in Brain Disorders
This is a $1M fellowship for high-risk biomedical research, awarded to one or two researchers in the country each year and aimed at retaining talented researchers at the Associate Professor level. The focus was on characterizing the brain circuits disconnections that classify and predict treatment outcome in the major psychiatric disorders.

Discovery Project DP077394* 03/01/2007 - 06/30/2010
Role: **PI**
Funder: Australian Research Council
Identifying Risk Factors for Depression: A Cognitive Neuroscience Approach
To assess neurobiological risk factors for depression and associated anxiety, focusing on brain imaging of emotional circuits and their modulation by genetic variants.

Discovery Project DP0452237* 03/01/2008 - 06/30/2010
Role: **PI**
Funder: Australian Research Council
Towards a Continuum Model of Orienting and Defense

Linkage Project LP0455104* 03/01/2007 - 06/30/2009
Role: **PI**

Funder: Australian Research Council
Development of Integrative Markers of Brain Function

Discovery Project DP0345481* 03/01/2005 - 06/30/2007
Role: **PI**
Funder: Australian Research Council
A biosignature for supraliminal and subliminal emotion processing

Linkage Project LP0212048* 03/01/2004 - 06/30/2006
Role: **Co-I** (PI Bryant)
Funder: Australian Research Council
Identifying Malingered Posttraumatic Stress Disorder: Biological Markers for Legal Assessment

Project A00104478* 03/01/2003 - 06/30/2005
Role: **PI**
Funder: Australian Research Council
When, Where and How of Emotion Processing

***** In terms of scope and competitiveness, NHMRC Project Grants are the equivalent of NIH R01 grants, and ARC Discovery Project (DP) Grants are the equivalent of NSF grants.

** NHMRC CCRE grants are the equivalent of NIH P50 Center of Excellence grant.

Past Clinical Trial Agreement (CTA) Funding

CTA Academic PI 09/01/2008 - 02/01/2014
Sponsor: Brain Resource Ltd
international Study to Predict Optimized Treatment for Depression (iSPOT-D).
A practical trial coupled with neurobiological assessments to identify predictors of treatment response outcomes in major depressive disorder. Standardized measures of behavioral performance, EEG and brain imaging recordings were undertaken pre-treatment and 8-weeks post-treatment, after randomization to one of three antidepressant medications.

CTA Academic PI 02/01/2011 - 02/01/2014
Sponsor: Brain Resource Ltd.
international Study to Predict Optimized Treatment for ADHD (iSPOT-A).
A practical trial coupled with neurobiological assessments to identify predictors of treatment response in ADHD. Clinical, cognitive, EEG and brain imaging measures were undertaken pre-treatment and following six weeks treatment with stimulant medication in children and adolescents with ADHD.

Other Previous Funding

Translational and Clinical Biomedical Innovation Award 2017 - 2020
Role: **PI**
Funder: Stanford School of Medicine Biomedical Innovation program
Precision mental health: Evaluating biotype-guided interventions for depression

Catalyst for Collaborative Solutions 04/01/2017 - 12/31/2020
Role: **Co-PI** (with Bao, PI)
Funder: Stanford University. Program is focused on catalyzing collaborations across Engineering, Medical, and Sciences and Humanities.
Effective, Scalable, and Affordable Strategies for Mental Health.

Apple Watch seed grant 2017 - 2019
Role: **PI**
Funder: Stanford Center for Digital Health
Stop watch: Reducing hyperactivity and supporting attention for youth with ADHD

Center for Neurobiological Imaging (CNI) Seed Grant 10/29/2014 - 03/31/2015
Stanford University
Role: **Co-Investigator** (PI: Padula, Stanford University)
"Neural mechanisms of reward and emotional brain circuitry underlying alcohol craving in men and women".
To examine neural correlates of emotion and reward in men and women with alcohol use disorders and provide pilot data for career development award.